## AMENDMENTS TO THE CLAIMS

- (Previously presented)A stable liquid adhesive for sealing a wound, the adhesive comprising;
  - a cyanoacrylate:
  - a therapeutic agent comprising an antibiotic;
- a defect forming agent capable of being removed from a cured cyanoacrylate matrix by solvation in an aqueous solution whereby a plurality of defects in the matrix are formed permitting release of the therapeutic agent from the matrix at a controlled rate; and
- a protective shell surrounding the therapeutic agent that prevents premature polymerization of the adhesive by blocking direct contact between the therapeutic agent and the cyanoacrylate surrounding said therapeutic agent.
- (Previously presented)The liquid adhesive of claim 1, wherein the cyanoacrylate comprises butyl cyanoacrylate.
- (Previously presented)The liquid adhesive of claim 1, wherein the cyanoacrylate comprises octyl cyanoacrylate.
- (Previously presented)The liquid adhesive of claim 1, wherein the defect forming agent comprises a hydrophilic polymer.
- (Previously presented)The liquid adhesive of claim 4, wherein the hydrophilic polymer comprises polyethylene glycol.
- (Previously presented)The liquid adhesive of claim 5, wherein the polyethylene glycol has an average molecular weight of about 600.
  - 7. (Canceled)
- (Previously presented)The liquid adhesive of claim 1, wherein the therapeutic agent further comprises a component selected from the group consisting of anti-inflammatory agents, anti-infective agents, immunosuppressive agents, and anesthetic agents.
  - 9. (Canceled)
- (Previously presented)The liquid adhesive of claim 1, further comprising a watersoluble acidic anti degradation agent.
- (Previously presented)The liquid adhesive of claim 10, wherein the water-soluble acidic antidegradation agent comprises Vitamin C.

 (Previously presented) A method of sealing a wound, the method comprising the steps of:

approximating the wound;

applying a liquid adhesive to a tissue surface surrounding the wound, the liquid adhesive comprising a mixture of a cyanoacrylate, a therapeutic agent comprising an antibiotic, a protective shell surrounding the therapeutic agent preventing premature polymerization of the adhesive by blocking direct contact between the therapeutic agent and the cyanoacrylate surrounding said therapeutic agent, and a water soluble defect forming agent:

curing the adhesive, whereby the wound is sealed;

removing the defect forming agent from the cured adhesive by solvating the defect forming agent in a body fluid, whereby a plurality of defects in the cured adhesive are formed; and

delivering the antibiotic to the wound through the defects in the cured adhesive at a controlled rate, wherein the shell provides long-term controlled release of the antibiotic from the cured adhesive.

- 13. (Canceled)
- (Previously presented) The method of claim 12, wherein the cyanoacrylate comprises butyl cyanoacrylate.
- (Previously presented)The method of claim 12, wherein the cyanoacrylate comprises octyl cyanoacrylate.
- 16. (Original) The method of claim 12, wherein the defect forming agent comprises a hydrophilic polymer.
- (Original) The method of claim 16, wherein the hydrophilic polymer comprises polyethylene glycol.
- 18. (Original) The method of claim 17, wherein the polyethylene glycol has an average molecular weight of about 600.
  - (Canceled)
- 20. (Previously presented)The method of claim 12, wherein the therapeutic agent further comprises a component selected from the group consisting of anti-inflammatory agents, anti-infective agents, immunosuppressive agents, and anesthetic agents.

- 21. (Canceled)
- (Original) The method of claim 12, wherein the wound comprises a skin laceration.
- (Previously presented)The method of claim 12, wherein the liquid adhesive further comprises a water-soluble acidic antidegradation agent.
- (Original) The method of claim 23, wherein the water-soluble acidic antidegradation agent comprises Vitamin C.
  - (Canceled)
- (Previously presented)The liquid adhesive of claim 1, wherein the protective shell comprises a gelatin microcapsule.
- (Previously presented)The liquid adhesive of claim 1, wherein the antibiotic comprises gatifloxacin.
- 28. (Previously presented)The liquid adhesive of claim 1, wherein the antibiotic comprises Penicillin G.
- (Previously presented)The liquid adhesive of claim 1, wherein the antibiotic comprises Sulfanilamide.
  - 30. (Canceled)
- (Previously presented)The method of claim 12, wherein the protective shell comprises a gelatin microcapsule.
- (Previously presented)The method of claim 12, wherein the antibiotic comprises gatifloxacin.
- (Previously presented) The method of claim 12, wherein the antibiotic comprises
  Penicillin G.
- (Previously presented) The method of claim 12, wherein the antibiotic comprises
  Sulfanilamide.
- (Previously presented)The adhesive of claim 1, wherein said protective shell provides long-term controlled release of the antibiotic from the cured cyanoacrylate matrix.
- 36. (Currently amended) The adhesive method of claim 12, wherein said protective shell provides long-term controlled release of the antibiotic from the cured cyanoacrylate matrix.

37. (Previously presented)A method of sealing a wound with a liquid adhesive, the method comprising the steps of:

forming a protective shell around an antibiotic to prevent premature polymerization of a liquid adhesive by blocking direct contact between the antibiotic and a cyanoacrylate;

approximating the wound;

applying a liquid adhesive to a tissue surface surrounding the wound, said liquid adhesive comprising a mixture of the cyanoacrylate, the antibiotic surrounded by the protective shell, and a water soluble defect forming agent:

curing the adhesive, whereby the wound is sealed;

removing the defect forming agent from the cured adhesive by solvating the defect forming agent in a body fluid, whereby a plurality of defects in the cured adhesive are formed; and

delivering the antibiotic to the wound through the defects in the cured adhesive at a controlled rate.

- 38. (New) The adhesive of claim 1, wherein the antibiotic in the stable liquid adhesive consists essentially of antibiotic in a form wherein a protective shell surrounds the antibiotic that prevents premature polymerization of the adhesive by blocking direct contact between the antibiotic and the cyanoacrylate surrounding the protective shell.
- 39. (New) The method of claim 12, wherein the antibiotic in the liquid adhesive consists essentially of antibiotic in a form wherein a protective shell surrounds the antibiotic that prevents premature polymerization of the adhesive by blocking direct contact between the antibiotic and the cyanoacrylate surrounding the protective shell.
- 40. (New) The method of claim 37, wherein the antibiotic in the liquid adhesive consists essentially of antibiotic in a form wherein a protective shell surrounds the antibiotic that prevents premature polymerization of the adhesive by blocking direct contact between the antibiotic and the cyanoacrylate surrounding the protective shell.